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Data Sheet

August 15, 2026

DDC

DDC BU-67103U200L-JL0 USB Avionics Device with MIL-STD-1553 and ARINC 429 Interfaces

The DDC BU-67103U200L-JL0 is a USB-based avionics device that provides interfaces for both MIL-STD-1553 and ARINC 429 communication protocols. This compact and portable device allows computers to communicate with and test avionics equipment using industry standard interfaces. It is ideal for lab testing, simulation, and field maintenance applications.



MODEL

DDC BU-67103U200L-JL0

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

BU-67103U200L-JL0

LISTING

<https://aumictechlabs.com/products/bu-67103u200l-jl0-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The DDC BU-67103U200L-JL0 is a USB-based avionics test device that delivers dual-protocol support for MIL-STD-1553 and ARINC 429 bus communication. Purpose-built for laboratory testing, simulation, field maintenance, and flight-line diagnostics, this portable instrument connects via USB 2.0 to desktop, laptop, or tablet computers and operates from either USB power or an included external power source. Technical Specifications MIL-STD-1553 Interface 1 or 2 dual-redundant channels Bus Controller (BC) or Multi-Remote Terminal (Multi-RT) modes for RT addresses 0–31 Concurrent Bus Monitor (MT) operation per channel 1 MB RAM with parity per channel Includes BU-69092S AceXtreme® C SDK with source code samples ARINC 429 Interface 4 receive channels 2 transmit channels Full data line rate support: low speed, high speed, and

ARINC 575 speeds Automatic slew rate adjustment Includes DD-42992S ARINC 429 C SDK with source code samples Digital I/O & Timing 8 user-programmable digital discrete I/Os IRIG-B time code input 1 Pulse-per-Second (PPS) output 48-bit / 100 ns time stamp resolution Environmental & Physical Operating temperature: 0°C to +55°C (extended temperature hardware available) Compact, portable form factor; durable construction Lead-free / RoHS compliant Key Features Dual-protocol capability eliminates need for separate test instruments. Concurrent Bus Monitor operation enables passive traffic observation while actively driving MIL-STD-1553 bus states. Programmable discrete I/Os and precise time stamping support complex system integration and debugging workflows. Multiple ARINC 429 channels handle multi-source data bus architectures without external multiplexing. Typical Applications Box-level and system integration testing Real-time avionics bus simulation and analysis Flight-line test and field diagnostics Software development and debugging Flight instrumentation applications Compatibility & Integration Supports Windows 10/8/7 and Windows Vista (32/64-bit). Optional software includes MIL-STD-1553 BusTrACEr Analyzer Simulator, ARINC 429 Data Bus Analyzer (DBA), ARINC 615 Data Loader, LabVIEW multi-I/O support package, and dataSIMS Real-Time Avionics Bus Analysis & Simulation Tool.

BU67103U200LJL0 Characteristics / Specifications

PARAMETER	VALUE
Model	BU-67103U
Instrument Type	USB avionics interface
Family	BU-67X02U / BU-67X03U / BU-67211U
Host Interface	USB 2.0
Mil Std 1553 Channels	1 or 2 dual-redundant
One Five Five Three Modes	BC or Multi-RT 0 to 31 with concurrent Bus Monitor
Arinc 429 Receive	4 channels
Arinc 429 Transmit	2 channels
Arinc Speeds	low, high, and ARINC 575 with automatic slew
Discrete Io	8 user-programmable digital discretes
Irig Input	IRIG-B time code input
Pps Output	1 pulse-per-second output
Power	USB bus or included external supply
Lab Temperature	0 C to plus 55 C on BU-67103U200L-JL0
Config Example	BU-67103U200L-JL0 two SF 1553, 4 Rx / 2 Tx 429, 8 DIO
Sdk 15	BU-69092S AceXtremeCSDK
Sdk 4	DD-42992S ARINC 429 C SDK
Graphical Software	BusTrACEr, ARINC 429 DBA, ARINC 615 loader, LabVIEW, dataSIMS
Rugged Sibling	BU-67102UX same I/O in rugged package
Populations	1553 only, 429 only, or 1553/429 multi-IO
Manufacturer	Data Device Corporation
Package	non-rugged lab enclosure on 67103U
Related Pcie	BU-67106K four-channel 1553 PCI Express card
Application Class	lab test and simulation

BU67103U200LJL0 Specifications

PARAMETER	VALUE
Applications	Lab 1553/429 simulation and monitoring, portable USB avionics I/O, and concurrent BC/Multi-RT/monitor test.
Key Features	USB 2.0 lab package (BU-67103U) versus rugged BU-67102U
Four ARINC 429 Rx and two Tx	IRIG-B in and 1 PPS out
Technical Specifications	Model: BU-67103U

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From DDC BU-67X02U/3U USB Avionics Device literature and BU-67103U200L-JL0 configuration listing. Confirm 1553 channel count and 429 population on the installed SKU.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.